

<u>Acronym</u>	<u>Meaning</u>
3GPP	3rd Generation Partnership Project
4GPP	4th Generation Mobile Systems
A/G	Air to Ground
AAC	Aeronautical Administrative Communications
ACARS	Aircraft Communications and Addressing Reporting System
ACK	Acknowledgement
ADLP	Air Data Link Processor
ADM	Administration
ADS	Automatic Dependent Surveillance
ADS-B	Automatic Dependent Surveillance – Broadcast
ADSU	Automatic Dependent Surveillance Unit
AE	Application Entity
AEEC	Airline Electronics Engineering Committee
AES	Aeronautical Earth Station
AFI	Authority Format Identifier
AGATE	Advanced General Aviation Transport Experiments
AH	Authentication Header
AI	Airborne Internet
AIN	Advanced Intelligent Network
AINSC	Aeronautical Industry Service Communication
AMCP	Aeronautical Mobile Communications Panel
AMPS	Analog Mobile Phone Service
AM(R)S	Aeronautical Mobile (R) Service
AMS(R)S	Aeronautical Mobile Satellite (R) Service
AMSC	American Mobile Satellite Corporation
AMSS	Aeronautical Mobile Satellite System
AOA	ACARS Over AVLC
AOC	Aeronautical Operations Control
APC	Aeronautical Passenger Communications
ARIB	Association of Radio Industries and Business
ARNS	Aeronautical Radio/Navigation Service
ARP	Address Resolution Protocol
ARQ	Automatic Repeat Request
ARS	Administrative Regional Selector
ARSR	Air Route Surveillance Radar
ARTCC	Air Route Traffic Control Center
AS	Anti-Spoofing
ASC	Aviation System Capacity
ASDE	Airport Surface Detection Equipment
AT	Architecture Toolkit
ATAG	Air Transport Action Group
ATCRBS	Air Traffic Control Radar Beacon System
ATDMA	Asynchronous Time Division Multiple Access

<u>Acronym</u>	<u>Meaning</u>
ATIS	Automated Terminal Information Service
ATM	Air Traffic Management
ATN	Aeronautical Telecommunications Network
ATS	Air Traffic Service
ATSC	Air Traffic Services Communications
AVC	Analog Voice Channel
AVLC	Aviation VHF Link Control
AVPAC	Aviation VHF Packet Communications
BCCH	Broadcast Control Channel
BER	Bit Error Rate
BGP	Border Gateway Protocol
BIS	Border Intermediate System
BPRZ	Bi-polar Return to Zero
BPSK	Binary Phase Shift Keying
BSS	Base Station System
BSSGP	Base Station System GPRS Protocol
C/A	Coarse Acquisition
C2	Command and Control
CAA	Civil Aviation Authority
CATNIP	Common Architecture for the Internet
CCH	Control Channel
CCITT	International Consultative Committee on Telegraphy and Telephony
CCK	Complementary Code Keying
CDF	Cutoff Decrease Factor
CDMA	Code Division Multiple Access
CEP	Circular Error Probability
CEPT	European Conference of Postal and Telecommunications Administrations
CIDR	Classless Interdomain Routing
CLNP	Connectionless Network Protocol
CLNP	Connectionless Network Protocol
CLTP	Connection-less Transport Protocol
CLTS	Connection-less Transport Service
CMOS	Complementary Metal Oxide Semiconductor
CMU	Communications Management Unit
CN	Core Network
CNS	Communications, Navigation, and Surveillance
CNS	Computer Networks & Software, Inc.
CNS/ATM	Communications, Navigation, and Surveillance/Air Traffic Management
COPP	Connection-Oriented Presentation Protocol
COSP	Connection-Oriented Session Protocol
COTS	Commercial Off-The-Shelf
COTS	Connection-mode Transport Service

<u>Acronym</u>	<u>Meaning</u>
CRC	Cyclic Redundancy Check
CSC	Common Signaling Channel
CSEM	Swiss Center for Electronics and Microtechnology, Inc.
CSMA	Carrier Sense Multiple Access
CT	Control Tower
CTIA	Cellular Telecommunications Industry Association
CTS	Cleared to Send
D8PSK	Differentially encoded 8 Phase Shift Keying
DAG-TM	Distributed Air Ground Traffic Management
DAMA	Demand Assigned Multiple Access
DAMPS	Digital Analog Mobile Phone Service
DBMS	Database Management System
DCA	Defense Communications Agency (Now DISA)
DCCH	Digital Control Channel
DCE	Data Communications Equipment
DCH	Dedicated Channel
DCS	Digital Cellular System
DDNS	Dynamic Domain Name System
DECT	Digital Enhanced Cordless Telecommunications
DHCP	Dynamic Host Configuration Protocol
DISA	Defense information Systems Agency
DITS	Digital information Transfer System
DL	Downlink
DLP	Data Link Processor
DME	Distance Measuring Equipment
DNS	Domain Name Server
DPCCH	Dedicated Physical Control Channel
DPCH	Dedicated Physical Channel
DPDCH	Dedicated Physical Data Channel
DS	Direct Sequence
DSP	Domain Specific Part
DTC	Digital Traffic Channel
DTCH	Dedicated Traffic Channel
DTE	Data Terminating Entity
EGP	Exterior Gateway Protocol
EIRP	Equivalent Isotropic Radiated Power
ENRT	En Route
EPI	Extended Protocol Identifier
ER	Error Report
ES	End System
ES	Earth Station
ESP	Encapsulating Security Payload

<u>Acronym</u>	<u>Meaning</u>
ETSI	European Telecommunications Standards Institute
EUROCAE	European Organization for Civil Aviation Equipment
FAA	Federal Aviation Administration
FACH	Forward Access Channel
FANS	Future Air Navigation Systems
FBI	Feedback Information
FCC	Federal Communications Commission
FCS	Frame Check Sequence
FDD	Frequency Division Duplex
FDMA	Frequency Division Multiple Access
FEC	Forward Error Correction
FF	Free Flight
FFT	Fast File Transfer
FH	Fragment header
FIN	Finished (No more data from sender.)
FM	Frequency Modulation
FOM	Figure of Merit
FP	Format Prefix
FTP	File Transport Protocol
GAP	General Aviation Propulsion
GDLP	Ground Data Link Processor
GES	Ground Earth Station
GFSK	Gaussian Frequency Shift Keying
GGSN	Gateway GPRS Support Node
GLONASS	Global Orbiting Navigation Satellite System
GMM	GPRS Mobility Management
GMSK	Gaussian Minimum Shift Keying
GNSS	Global Navigation Satellite System
GOCC	Ground Operations Control Center
GPRS	General Packet Radio Service
GPS	Global Positioning System
GRC	Glenn Research Center
GRE	Generic Routing Encapsulation
GSIF	Ground Station Information Frame
GSM	Global System for Mobile Communications
GSO	Geosynchronous Orbit
GTP	GPRS Tunnel Protocol
HDLC	High-Level Data Link Control
HF	High Frequency
HFDL	High Frequency Data Link
HLR	Home Location Register

<u>Acronym</u>	<u>Meaning</u>
HTTP	Hypertext Transport protocol
IAB	Internet Architecture Board
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
ICMP	Internet Control Message Protocol
ICP	Installed Communications Performance
ICS	Internet Communication Service
IDI	Initial Domain Identifier
IDP	Initial Domain Port
IDRP	Inter-Domain Routing Protocol
IEC	International Electrotechnical Commission
IEEE	Institute of Electrical and Electronic Engineers
IETF	Internet Engineering Task Force
IFR	Instrument Flight Rules
IGMP	Internet Group Membership Protocol
IGP	Interior Gateway Protocol
IGRP	Interior Gateway Routing Protocol
IKE	Internet Key Exchange
IMT-2000	International Mobile Telecommunications 2000
InterNIC	Internet Network Information Center
IP	Internet Protocol
IPAE	IP Address Encapsulation
IPI	Initial Protocol Identifier
IPng	IP_Next Generation
IPSec	IP Security
IPv4	Internet Protocol version 4
IPv6	Internet Protocol version 6
IS	Intermediate System
ISDN	Integrated Services Digital Network
ISI	Inter Symbol Interference
ISL	Inter-Satellite Link
ISM	Industrial Scientific Medical (Frequency Band)
ISN	Initial Sequence Number
ISO	International Organization for Standardization
ISP	Internet Service Provider
ITU	International Telecommunications Union
IUT	Implementation Under test
LAAS	Local Area Augmentation Signal
LAM	Local Area Mobility
LAN	Local Area Network
LAPD	Link Access Protocol – D
L-BCCH	Logical Broadcast Control Channel

<u>Acronym</u>	<u>Meaning</u>
LD	Location Directory
LEO	Low Earth Orbit
L-FACH	Logical Forward Access Channel
LLC	Logical Link Control
LME	Link Management Entity
LMSS	Land Mobile Satellite System
LNA	Low Noise Amplifier
LOC	Location
LOS	Line of Sight
L-PCH	Logical Paging Channel
L-RACH	Logical Random Access Channel
LSA	Link State Advertisement
LSRR	Loose Source and Record Route
MAC	Media Access Control
MANET	Mobile Ad hoc Network
MASPS	Minimum Aviation System Performance Standards
MBS	Mobile Broadband System
MC	Multicarrier
MEO	Medium Earth Orbit
MFTDMA	Multifrequency Time Division Multiple Access
MIB	Management Information Base
MLS	Microwave Landing System
MMSS	Maritime Mobile Satellite System
Mode S	Mode Select
MOPS	Minimum Operational Performance Standards
MOS	Mean Opinion Score
MS	More Segments
MSC	Mobile Switching Center
MSC	Message Switching Center
MSK	Modulation Shift Keying
MSS	Mobile Satellite Service
MT	Mobile Terminal
MTL	Minimum Trigger Level
MTU	Maximum Transfer Unit
MUAR	Multi-User Availability Ratio
MUC	Multi-User Continuity
NAS	National Airspace System
NASA	National Aeronautics & Space Administration
NEXRAD	Next Generation Weather Radar
NLA ID	Next Level Aggregation Identifier
NMS	Network Management System
NOAA	National Oceanographic and Atmospheric Agency

<u>Acronym</u>	<u>Meaning</u>
NPDU	Network Protocol Data Unit
NRS	Navigation Reference System
NRS	Navigation Reference System
NSAP	Network Service Access Point
NSDU	Network Service Data Unit
NSEL	Network Selector
NTIA	National Telecommunications and Information Administration
OBP	On-board Processing
OBS	On-board Switching
OEM	Original Equipment Manufacturer
OFDM	Orthogonal Frequency Division Multiplexing
OPLINKP	ICAO Operational Links Panel
ORB	Object Request Broker
OSI	Open Systems Interconnection
OSPF	Open Shortest Path First
OVSF	Orthogonal Variable Spreading Factor
p/4-DQPSK	pi/4 - Differential Quadrature Phase Shift Keying
PAX	Passenger System
PCH	Paging Channel
PCI	Protocol Control Information
PCL	Passive Coherent Location
PCS	Personal Communications System
p-CSMA	Persistent CSMA
PDC	Personal Digital Cellular
PDN	Public Data Network
PDU	Protocol Data Unit
PHS	Personal Handyphone System (Japan)
PIP	P Internet Protocol
PIREP	Pilot Report
PLMN	Public Land Mobile Network
PLTN	Public Land Telephone Network
POS	Point of Sale
PPP	Point-to-Point Protocol
PPS	Precise Positioning Service
PRN	Pseudo Random Noise
PSH	Push Function
PSK	Phase Shift keying
PSTN	Public Switched Telephone Network
QoS	Quality of Service
QoV	Quality of Voice
QPSK	Quadrature Phase Shift Keying

<u>Acronym</u>	<u>Meaning</u>
RA	Resolution Advisory
RACH	Random Access Channel
RCP	Required Communications Performance
RD	Routing Domain
RDF	Routing Domain Format
RES	Reserved
RF	Radio Frequency
RFC	Request for Comments
RFI	Radio Frequency Interference
RH	Routing Header
RIB	Routing Information Base
RIP	Routing Information Protocol
RIP	Routing Information Protocol
RNP	Required Navigation Performance
RR	Radio Regulation
RSA	Public Key Cryptosystem (Rivest, Shamir and Adleman, inventors)
RSP	Required Surveillance Performance
RST	Reset
RSVP	Method of requesting specific QoS for data flow.
RTCA	Communications Standards Body
RTP	Real-time Transport Protocol
RTS	Request to Send
RTSP	Required Total System Performance
SARPs	Standards and Recommended Practices
SATCOM	Satellite Communications
SATNET	Satellite Network
SATS	Small Aircraft Transportation System
SC	Special Committee
SCH	Signaling Channel
SCPC	Single Channel Per Carrier
SF	Spreading Factor
SGSN	Serving GPRS Support Node
SiGe	Silicon Germanium
SIM	Subscriber Identification Module
SIP	Simple Internet Protocol
SIPP	Simple Internet Protocol Plus
SITA	State-of-the-art Information Technologies in Aviation
SLA ID	Site-Level Aggregation Identifier
SLIP	Serial Line IP
SME	System Management Entity
SMS	Short Message System
SMSC	Short Message Service Center

<u>Acronym</u>	<u>Meaning</u>
SNDCP	Sub-network Dependent Convergence Protocol
SOCC	Satellite Operations Control Center
SP	Segmentation Permitted
SPF	Shortest Path First
SPI	Security Parameter Index
SPS	Standard Positioning Service
SSR	Secondary Surveillance Radar
SSRR	Strict Source and Record Route
STC	Society of Telecommunications Consultants
SUA	Special Use Airspace
SV	Space Vehicle
SYN	Synchronize Sequence Numbers
SYS	System Identifier
TA	Traffic Advisory
TACAN	Tactical Air Navigation
TCAS	Traffic Alert and Collision Avoidance System
TCC	Transmission Control Code
TCH	Traffic Channel
TCP	Transport Control Protocol
TCP/IP	Transport Control Protocol/Internet Protocol
TCP/IPv4	Transport Control Protocol/Internet Protocol version 4
TCP/IPv6	Transport Control Protocol/Internet Protocol version 6
TDD	Time Division Duplex
TDMA	Time Division Multiple Access
TDWR	Terminal Doppler Weather Radar
TFCI	Transport-Format Combination Indicator
TIA	Telecommunications Industry Association
TIS	Traffic Information Service
TIS-B	Traffic Information Service – Broadcast
TLA ID	Top-Level Aggregation Identifier
TLV	Type-Length-Value
TMI	TMI Communications and Company, L.P.
TM-UWB	Time-Modulated Ultra Wideband
ToS	Type of Service
TP	Transaction Processing
TP4	Transport Protocol Class 4
TP4/CLNP	Transport Protocol Class 4/Connectionless Network Protocol
TPC	Transmit Power Command
TPDU	Transport Protocol Data Unit
TSAP	Transport Service Access Point
TSEL	Transport Selector
TT&C	Tracking, Telemetry and Command
TTA	Telecommunications Technology Association

<u>Acronym</u>	<u>Meaning</u>
TTL	Time-to-Live
TUBA	TCP and UDP with Bigger Addresses
UAT	Universal Access Transceiver
UDP	User Datagram Protocol
UE	User Equipment
UHF	Ultra High Frequency
UL	Uplink
ULCS	Upper Layer Communications Services
UMTS	Universal Mobile Telecommunications System
UPCH	User Packet Traffic Channel
URG	Urgent Pointer
USB	Universal Serial Bus
UT	Universal Time
UTC	Universal Time Coordinated
UTRA	UMTS Terrestrial Radio Access
UTRAN	UTRA Network
UWB	Ultra Wide Band
V/D	Voice or Data
VAD	Voice-Activity Detection
VDC	Volts Direct Current
VDL	VHF Data Link
VDR	VHF Data Radio
VER	Version
VFR	Visual Flight Rules
VHF	Very High Frequency
VME	VDL Management Entity
VoIP	Voice over IP
VOR	VHF Omnidirectional Range
VORTAC	Combined VOR and TACAN
WAAS	Wide Area Augmentation Signal
WARC	World Administrative Radio Conference
WCDMA	Wideband Code Division Multiple Access
WG	Working Group
WLL	Wireless Local Loop
WRC	World Radio Conference
YIG	Yttrium-Iron-Garnet (type of filter)